

# Dada Ramchand Bakhru Sindhu Mahavidyalaya Nagpur

Key Indicator 7.1

Institutional values & Social responsibilities

**NAAC** Reaccredited



(3<sup>rd</sup> cycle)

Affiliation



Maharaj Nagpur University

National ID



https://www.drbsmvnagpur.ac.in



## Dada Ramchand Bakhru Sindhu Mahavidyalaya Nagpur

# Criteria - 7 Institutional Values and Best Practices

#### 7.1

### **Institutional Values and Social Responsibilities**

7.1.3

Quality audits on environment and energy regularly undertaken by the Institution. The institutional environment and energy initiatives are confirmed through the following

- 1. Green audit / Environment audit
- 2. Energy audit
- 3. Clean and green campus initiatives
- 4. Beyond the campus environmental promotion and sustainability activities

NAAC Reaccredited



B+ Grade (3<sup>rd</sup> cycle) Affiliation



Rashtrasant Tukadoji Maharaj Nagpur University National ID



https://www.drbsmvnagpur.ac.in



# Dada Ramchand Bakhru Sindhu Mahavidyalaya Nagpur

### Declaration

This is to declare that the information, reports, true copies and numerical data, etc. furnished in this file as supporting documents are verified and found correct.



Officiating Principal
Dada Ramchand Bakhru
Sindhu Mahavidyalaya, Nagpur-17

**NAAC Reaccredited** 



(3<sup>rd</sup> cycle)

**Affiliation** 



Maharaj Nagpur University

National ID



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### $G{\rm reen}\,A{\rm udit}\,R{\rm eport}$

### Dada Ramchand Bakhru Sindhu Mahavidyalaya, Nagpur (Year2022-23)

#### Preparedby





### Acknowledgement

We at Onkar Services, Nagpur, express our sincere gratitude to the management of DRB Sindhu Mahavidyalaya, Nagpur for awarding us the assignment of Green Audit of their college premises.

We are also thankful to a cade mic & administrative staff members for helping us during the field in spection.

We hope that the recommendations stated in this report willbe useful.

Mdar

VaishaliUdar

Director,
OnkarServices,Nagpur







### ExecutiveSummary

RainWaterHarvesting/Recharge





WaterQualityIndex



Laboratorywastemanagement (Solid/Liquid/Bio)





Canteen waste management





Plastic Free Campus Strategy



Compost Conversion



PaperFreeProcesses





**STP** 



EnergyAudit



Alternate green Energy source



ResidentialSetupModule

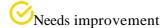
NotApplicable

Radioactiveelements/experiments

NotApplicable







#### TotalFootfall&automobilecount(Min5hoursaverageperday)

Students 2872 460 (Parking) 270 bicycles

Staff 160 (Parking)

#### TotalArea&GreenCoverage

LandArea 2.5068 Acres

ConstructionArea approximate 48,506sqft

GreenCoverageFactor approximate12% Moderate(seedetailreport)







Useofpublictransportforstaff&studentsshouldbepromoted Promotion

of bicycle and E-vehicles is advised

VerticalGardeningincludingoxygenzoneisadvised Drinking

Water System needs improvement

GeneralWaterConservation&recyclingshouldbeincorporated

NextGreenAuditissuggestedonlyaftermajorchangesorafterend1yearsvalidityofthisreport.

#### Water Quality Index Calculation

Thewaterqualityindexiscalculatedbasedonmeasuredvaluesforeachoffiveparameters:Temperature,BiologicalOxygen Demand, Total Suspended Solids, Dissolved Oxygen and Conductivity. Here we describe what each of these parameters means in terms of local water quality and how they are used in the index.

SimpleWater QualityIndex (ISQA)

ISQA is calculated as: ISQA =  $\underline{I_{TEMP}}^*$  ( $\underline{I_{BOD}} + \underline{I_{TSS}} + \underline{I_{DO}} + \underline{I_{COND}}$ ). Where  $I_{TEMP}$ ,  $I_{BOD}$ ,  $I_{TSS}$ ,  $I_{DO}$ , and  $I_{COND}$  represent individual index terms with different weighting factors for each parameter.



